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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/639,085	08/16/2000	Takeshi Miura	P107156-00018	3134

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EXAMINER

SHANG, ANNAN Q

ART UNIT PAPER NUMBER

2614

DATE MAILED: 08/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/639,085

**Applicant(s)**

MIURA ET AL.

**Examiner**

Annan Q Shang

**Art Unit**

2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 10 June 2004.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 6, 14 and 15 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 6, 14 and 15 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☒ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Objections*

1. Claim 6 is objected to because of the following informalities: In claim 6, line 2, it appears the phrase "wherein said controller switches a selector subsection of said second tuner section in response to..." should read "wherein said selector subsection switches said second tuner section in response to..." since the claimed "controller" is not recited in claim 15. Appropriate correction is required.

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 6, 14 and 15, are rejected under 35 U.S.C. 103(a) as being unpatentable over **Streck et al (4,916,532)** in view of **Lownes et al (6,137,539)**

As to claim 15, note the **Streck et al** reference figures 12 and 22, disclose television local wireless transmission control where a source of a video signal to be viewed at a remote location such as a TV Camera, Cable Select Box, Antenna, or VCR and further disclose terminal equipment connected to a cable television station of cable television to receive a cablecast signal for television programming delivered from the cable television station, the terminal equipment comprising...is met as follows:

the claimed "master terminal..." is met by Receiver (Rec) 54 (fig. 7-9, 12 and col. 5, lines 50-col. 6, line 2), note that Rec 54 receives wireless transmission of video, transmitted via Antenna 26, from TV signal source (TV-SS) 10 for VCRs 18 and TV Sets 20, Rec 54 includes a Local Tuner 176 "a first tuner section," (figs. 22, 23 and col. 11, lines 52), for receiving Radio Frequency (RF) signals "a cablecast signal" for television programming delivered from TV signal source 10, "a cable television station" and transferring an image signal received from the RF signal to TV Set 20, "first television receiver," Remote Tuner (RT) 178, "a second tuner section" also receives RF signals for television programming from TV-SS 10, and Antenna 26' "a radio transmitter section" connected to RT 178 and transmits image signal output from RT 178; and further discloses a function control circuit 126 that controls the tuners 176 and 178 and cable select box 16 with provided with full channel tuners 176 and 178 with channel selector inputs 180 and apply the image signal to output 182, such as, TV set, VCR, etc., to enable watching different programs at different locations (col. 11, lines 11-45);

the claimed "at least one slave terminal including a radio-receiving section for receiving the image signal transmitted from said radio-transmitter..." is met by VCR 18 (col. 6, lines 23-27 and col. 10, line 51-col. 11, line 7), note that VCR 18 is slave terminal which includes RF Receiver for receiving image signal transmitted from the Antenna 26' of Rec 54, "can be reversed and/or combined to advantage" that is VCR 18, can also wirelessly receive signals for recording and/or display of video information and further transmit to other remote TV Sets 20 or Video Camera.

Strech, teaches control circuit 126 "selector subsection" the controls tuners 176 and 178 and cable selector box 16 to select channels to switched to send image signal from the tuners 176 and 178 "tuner section" of the master terminal to outputs 182, such as VCR, "a picture-recording device," or TV sets, but fails to explicitly a message signal outputting section for outputting a message signal for displaying a selecting state of the selector subsection on the second television receiver, to transmit the message signal through the radio-transmitter section to the slave terminal, when the selector subsection is switched to send the image signal from the second tuner section to the picture-recording device.

However, note the **Lownes et al** reference figs 1 and 3A-3E, disclose a digital television status display system (col. 2, lines 48-65), where a television receiver (DTV-STB) 90 which is coupled to a digital VCR (D-VHS) 113 via a digital communication link (IEEE 1394) 96, transmits and displays status information or message(s) (figs 3A-3E, col. 8, lines 5-27 and lines 40-56) on Display Device 98.

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teaching of Lownes into the system of Strech to display message(s) indicating the status or selecting state of the master terminal to visually inform the viewer the status change(s) of the master terminal, and enable the viewer to be aware of the channel or the source of broadcast.

As to claim 6, Strech further teaches a control circuit 126 "a selector subsection" which controls channel selector inputs 180 of tuners 176 and 178 and cable select box 16, in response to signal manipulation signal input via IR controller 32 (col. 6, lines 22-

67 and col. 9, line 33-col. 10, line 2) to supply the image signal from the RT 178 "second tuner section" to Antenna 26' "radio transmitter section" and to other TV set to enable watching different programs at different locations (col. 11, lines 11-45).

As to claim 14, Streck further teaches where the VCR includes a remote controller receiving section for a remote control signal supplied from a Universal Controller 32 (col. 9, lines 33-47).

### ***Response to Arguments***

4. Applicant's arguments, see Paper No. 10, filed 06/10/04, with respect to the rejection(s) of claim(s) 6, 14 and 15 under 35 U.S.C. 103(a) of **Streck et al (4,916,532)** in view of **Sugiyama et al (5,815,631)**, have been fully considered and are persuasive. The finality of Paper No. 8 has been withdrawn. With respect to claim 15, applicant's arguments, i.e., "Streck fails to explicitly teach a message signal outputting means outputting a selecting state of a master terminal to the slave terminal," are persuasive. However, upon further consideration, a new ground(s) of rejection is made in view of **Lownes et al 6,137,539**. Amendment to the Claims in Paper No. 6, necessitated the new ground(s) of rejection discussed above. This Office Action is made FINAL.

### ***Conclusion***

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action.

Winter (6,678,008) discloses apparatus for generating a digital video picture.

Perdue et al (6,529,556) disclose remote control apparatus and method.

Hong et al (5,737,030) disclose electronic guide device.

6. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.


7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Annan Q Shang** whose telephone number is **703-305-2156**. The examiner can normally be reached on **700am-500pm**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **John W Miller** can be reached on **703-305-4795**. The fax phone number for the organization where this application or proceeding is assigned is **703-872-9306**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the **Electronic Business Center (EBC)** at 866-217-9197 (toll-free).



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